



```

chain nodes :
  24 26 28 29 30 36 37 44 45 46 47 48 51 52 53 54
ring nodes :
  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 25 27 31
  32 33 34 35 38 39 40 41 42 43
chain bonds :
  2-29 3-37 4-30 18-28 22-54 23-24 25-26 33-53 34-36 37-43 39-51 40-45 41-44 44-52
  45-46 46-47 46-48
ring bonds :
  1-2 1-13 2-3 3-4 4-5 5-6 6-9 7-8 7-12 7-27 8-9 9-10 10-11 11-12 11-31 11-35
  13-14 14-15 15-16 15-18 16-17 17-19 18-19 18-20 19-23 20-21 20-25 21-22 22-23
  25-27 31-32 32-33 33-34 34-35 38-39 38-43 39-40 40-41 41-42 42-43
exact/norm bonds :
  1-2 1-13 2-3 3-4 3-37 4-5 5-6 6-9 7-8 7-12 7-27 8-9 9-10 10-11 11-12 11-31
  11-35 13-14 14-15 15-16 15-18 16-17 17-19 18-19 18-20 18-28 19-23 20-21 20-25
  21-22 22-23 23-24 25-26 25-27 31-32 32-33 33-34 34-35 37-43 38-39 38-43 39-40
  40-41 40-45 41-42 41-44 42-43 45-46 46-47 46-48
exact bonds :
  2-29 4-30 22-54 33-53 34-36 39-51 44-52

```

G1:O,S

G2:O,N

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom 24:CLASS 25:Atom 26:CLASS 27:Atom 28:CLASS 29:CLASS 30:CLASS 31:Atom
32:Atom 33:Atom 34:Atom 35:Atom 36:CLASS 37:CLASS 38:Atom 39:Atom 40:Atom 41:Atom
42:Atom 43:Atom 44:CLASS 45:CLASS 46:CLASS 47:CLASS 48:CLASS 51:CLASS 52:CLASS
53:CLASS 54:CLASS

```

